Remarks

This PRELIMINARY AMENDMENT is filed prior to examination of this application. Please enter this Amendment into the application.

The specification and Figures have been amended to correct an inadvertent error in Table 1 and Figure 1, respectively. Table 1 and Figure 1 are identical except for their numeration.

After filing the application, Applicants noted that the nucleotide sequence in Table 1 and Figure 1 showed, on the last line, the 7th codon from the left side, the codon ACT. The correct codon in this position is ATC.

Applicants herewith provide marked-up and clean copies of: (1) page 16 of the specification and (2) Figure 1, page 1 (Replacement sheet 1/23). Appendix 1 contains the marked-up copy of Table 1; Appendix 2 contains the clean copy of Table 1; Appendix 3 contains the marked-up copy of Figure 1, page 1; and Appendix 4 contains the clean copy of Figure 1, page 1 (Replacement sheet 1/23).

Support for these amendments is present in the application as filed. Specifically, on page 20, second full paragraph, second sentence as follows:

Recently, two new transcripts of the hGH-V gene have been described (Boguszewski 1998). ... The second transcript to be described uses a similar alternative splice site within exon 3, to that seen for hGH-N, to predict a 20kDa isoform of hGH-V (GenBank accession number: AF006060).

Applicants herewith provide marked-up and clean copies of the GenBank webpages (www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=AF006060.1) showing the correct sequence.

Appendix 5 is a marked-up copy of the above website. The marked-up copy on page 2 shows the proper nucleotide sequence (at positions 292-294; box). Appendix 6 is the clean copy of the above website. The clean copy does not have the codon so marked.

No fees are due with this PRELIMINARY AMENDMENT. The Commissioner is hereby authorized to charge any deficiencies or credit overpayment to Deposit Account No. 50-4089.

Please note that the correspondence address for this application has changed. The new address is:

Customer No: 66936 Borson Law Group, PC 1320 Willow Pass Road, Suite 490 Concord, California 94520-5232 Tel: (925) 395-2060

Please note that the Attorneys associated with Customer No: 66936 are:

D. Benjamin Borson, Ph.D., Reg.44,366. No: 42,349 and

J. Steven Svoboda, Reg. No: 44,366.

Respectfully submitted,

BORSON LAW GROUP, PC

Date: April 16, 2007

D. Benjamin Borson, Ph.D.

Reg. No.: 42,349

Customer No. 66936 BORSON LAW GROUP, PC 1320 Willow Pass Road, Suite 490 Concord, California 94520-5232

Tel: (92

(925) 395-2060

Appendix 1
Marked-up copy of Table 1

100	AGG	TAT TTT TAT TTT	TAT	000 000 000 000	CIC	CIC
ä	TCC	GCA GCA GCC GCCA	AAG	ATT	CTG	CTC TCT CTC TCT
SI S	TTA	CTG	CAG	TCT	GAG	CAG
390	99	CAG	GAG	GAG	CTA	GTG
Ħ	ATT	TAC CAC TAC CAC	AAG GAA	TCA	AAC	222
138	ACC	CTG	CTG	TTC	101 100 101	GAG
DIS .	CCA	CGC CGT CGT CGT	ATC	76C 767 76C 76C	AAA	CTG
213	TTC	CGT CAT CGT CAT	TAT	CTC	CAG	TGG
STG	3	CCC	98	TCC	CAG CAA CAG	7CA 7CG 7CG
221	AGT	292	GAA	ACC	ACG ACA ACG ACA	CAG
ACG	39	CTC	GAA	CAG	AAA GAA GAA	AGT ATC
55 5	GAG	ATG	TIT	20	GTG GAG GTG GAG	CTC
ICC	CAA	GCT	GAG	AAC	AGG	CTG
<u> </u>	Ħ	AAC	CAG	CAG	AAC	CTG
S S S S S S S S S S S S S S S S S S S	<u>166</u>	GAC	TAT TAC TAT TAC	CTG	TCC	TCC
<u>GCT</u>	2223	TTT	ACC	1HC	200 200 200 200 200 200 200 200 200 200	ATC
ATG	<u>CTG</u>	CIT	GAC	TCA	ACA	SGC
SEQ ID NO:1 SEQ ID NO:2 SEQ ID NO:3 SEQ ID NO:4						,

Table 1 Translated nucleotide sequence of hGH variants. Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

Appendix 2 Clean copy of Table 1

7

Attorney Docket No.: ERNZ-01082US3 ERNZ-01082US3/1082US3.107.Prelim.amd.wpd

551	AGG	TAT TTT TAT TTT	TAT			A 0000	9 S	CTC	СТС
SI SI	10C	900 900 900 900	AAG			ATT		CTG	CTC TCT CTC TCT
OIG DI	TTA	CTG	CAG			TCT		GAG	CAG
3	33	CAG	GAG			GAG		CTA	GTG
Ħ	ATT	TAC CAC TAC CAC	AAG GAA			TCA		AAC	200
13	ACC	CTG	CTG			TTC		P	GAG
SIS	CCA	CGC CGT CGC CGC	ATC			TGC TGT TGC	TGT	AAA	CTG
3	ПС	CGT CGT CGT CAT	TAT			CTC	•	CAG	TGG
SIS	33	GCC	သ			TCC		CAG CAG CAG	7CA 7CA 7CA
201	AGI	SGS	GAA			ACC		ACG ACG ACG ACG	CAG
ACG	3	CTC	GAA			CAG		AAA AAA GAA GAA	ATC
993	GAG	ATG	TTT			222		GTG GAG GTG GAG	CTC
21	₹	GCT	GAG			AAC		AGG	CTG
393	Ħ	AAC	CAG			CAG		AAC	CTG
AS S S S S S S S S S S S S S S S S S S	100	GAC	TAT	TAT	TAC	CTG		TCC	700
ECT .	2223	111	ACC			TTC		20000	ATC
ATG	CTG	CTT	GAC			TCA		ACA	292
SEQ ID NO:1 SEQ ID NO:2 SEQ ID NO:3 SEQ ID NO:4									

Table 1 Translated nucleotide sequence of NGH variants. Dashes indicate section deleted in 20 kDa NGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

Appendix 3
Marked-up copy of Figure 1, page 1

_ & _

Attorney Docket No.: ERNZ-01082US3 ERNZ-01082US3/1082US3.107.Prelim.amd.wpd

Marked-up Figure 1, page 1

100	AGG	TAT TTT TAT	TAT	A 00 00 00 00 00 00 00 00 00 00 00 00 00	CTC	CTC
	TCC	900 900 900 900	AAG	ATT	CTG	CTC TCT CTC TCT
CTG	TTA	CTG	CAG	TCT	GAG	CAG
))	202	CAG	GAG	GAG	CTA	GTG
Ħ	ATT	TAC CAC TAC CAC	AAG GAA	TCA	AAC	
<u>6CT</u>	ACC	CTG	CTG CTA	TTC	5555	GAG
CTG	CCA	95 95 95 95 95 95 95 95	ATC	16C 1GT 1GC 1GT	AAA	CTG
25	TTC	CGT CGT CGT	TAT	CTC	CAG	TGG
CIG	<u> </u>	OCC	000	TCC	CAA CAG CAG	10A 10A 10G
20	AGT	CGC	GAA	ACC	ACA ACG ACG	CAG
ACG	3 99	CTC	GAA	CAG	AAA GAA AAA GAA	\$ 1 €
550	GAG	ATG	TEL	99	GTG GAG GTG GAG	CIC
<u>100</u>	CAA	GCT	GAG	AAC	AGG	CTO
<u> </u>	EE	AAC	CAG	CAG	AAC	CTG
SCA SCA SCA SCA SCA SCA SCA SCA SCA SCA SCA	166	GAC	TAT TAC TAT TAC	CTG	70C	TCC
GCI	9999	E	ACC	TTC	55555	ATC
ATG	SIS	СТТ	GAC	TCA	ACA	90
D NO:1 D NO:2 D NO:3 D NO:4						

Figure 1 Translated nucleotide sequence of hGH variants. Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

Appendix 4
Clean copy of Figure 1, page 1
Replacement Sheet 1/23

Replacement Sheet 1/23

100	AGG	TAT TTT TAT	TAT		8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CIC	CTC
	TCC	GCA GCC GCC GCC	AAG		ATT	CTG	CTC TCT CTC TCT
923	TTA	CTG	CAG		TCT	GAG	CAG
395	202	CAG	GAG		GAG	CTA	GTG
Ħ	ATT	TAC CAC TAC CAC	AAG		TCA	AAC	222
GCT	ACC	CTG	CTG CTA		TTC	757 757 757 757	GAG
	CCA	262 267 267 267	ATC		76C 76T 76C 76T	AAA	CTG
2	TTC	CGT CAT CGT CAT	TAT		CTC	CAG	TGG
CIG	8	900	335		TCC	CAG CAA CAA	70A 70A 70A 70A
엺	AGT	292	GAA		ACC	ACA ACA ACA	CAG
ACG	200	CTC	GAA		CAG	AAA AAA GAA	ATC
993	GAG	ATG	TTT		222	GTG GAG GTG GAG	CTC
	CAA	GCT	GAG		AAC	AGG	CTG
200	H	AAC	CAG		CAG	AAC	CTG
ACA ACA	<u>166</u>	GAC	TAT TAC TAT	TAC	CTG	700	J
GCT	3333	TTT	ACC		TTC	£8£8	АТС
AIG	9	CIT	GAC		TCA	ACA	292
SEQ ID NO:1 SEQ ID NO:2 SEQ ID NO:3 SEQ ID NO:4						· .	

Figure 1 Translated nucleotide sequence of hGH variants. Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

Appendix 5
Marked-up copy of GenBank Website for Accession No: AF006060

Links

COTAQUAGATOGGATOCOCGOGGAGAGAGATAATAGCTOGATCGATCG CTGGF WATATACACACACACAGAGGGCGCATAGCATGACTGATCT! My NCBI CTTCGCATACGT [Sign In] [Register] Structure ОМІМ Taxonomy Search Nucleotide 郅 for Limits Preview/Index History Clipboard Details Send to Show 5 Hide: sequence all but gene, CDS and mRNA features Range: from begin to end Reverse complemented strand Features: 1: AF006060. Reports Homo sapiens plac...[gi:2459881] Features Sequence LOCUS 702 bp mRNA linear PRI 21-JUL-2000 DEFINITION Homo sapiens placental growth hormone 20kDa isoform (hGH-V) mRNA, complete cds. ACCESSION AF006060 AF006060.1 GI:2459881 VERSION KEYWORDS SOURCE Homo sapiens (human) ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo. REFERENCE 1 (bases 1 to 702) **AUTHORS** Boguszewski, C.L., Svensson, P.A., Jansson, T., Clark, R., Carlsson, L.M. and Carlsson, B. TITLE Cloning of two novel growth hormone transcripts expressed in human placenta JOURNAL J. Clin. Endocrinol. Metab. 83 (8), 2878-2885 (1998) PUBMED 9709963 REFERENCE (bases 1 to 702) **AUTHORS** Boguszewski, C.L., Svensson, P.-A., Clark, R., Carlsson, L.M.S. and Carlsson, B. TITLE Direct Submission JOURNAL Submitted (30-MAY-1997) RCEM - Internal Medicine, Sahlgrenska University Hospital, Bruna Straket, 16, Gothenburg S-41345, Sweden FRATURES Location/Qualifiers source 1.,702 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon: 9606" /chromosome="17" /tissue_type="full-term placenta" qene 1..702 /gene="hGH-V" CDS 13..621 /gene="hGH-V" /codon start=1 /product="placental growth hormone 20kDa isoform" /protein_id="AAB71828.1" /db_xref="GI:2459882" translation="MAAGSRTSLLLAFGLLCLSWLQEGSAFPTIPLSRLFDNAMLRAR/ RLYQLAYDTYQEFNPQTSLCFSESIPTPSNRVKTQQKSNLELLRISLLLIQSWLEPVQ llrsvfanslvygasdsnvyrhlkdleegiqtlmwrledgsprtgqifnqsyskfdtk SHNDDALLKNYGLLYCFRKDMDKVETFLRIVQCRSVEGSCGF" sig peptide 13..90 /gene="hGH-V" ORIGIN 1 cacctagegg caatggetge aggeteeegg acgteeetge teetggettt tggeetgete 61 tgcctgtcct ggcttcaaga gggcagtgcc ttcccaacca ttcccttatc caggettttt 121 gacaacgcta tgctccgcgc ccgtcgcctg taccagctgg catatgacac ctatcaggag

http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=AF006060.1

```
181 thtaacccc agacetect etgettetea gagtetatte caacacette caacagggtg
241 aaaacgcage agaaatetaa ectagagetg etcegeatet ecetgetget eatecagtea
301 tggetggage eegtgeaget ecteaggage gtettegeea acageetggt gtatggegee
361 teggacagea acgtetateg ecacetgaag gacetagagg aaggeateea aacgetgatg
421 tggaggetgg aagatggeag eceeeggaet gggeagatet teaateagte etacageaag
481 tttgacacaa aategcacaa egatgaegea etgeteaaga actaeggget getetaetge
541 tecaggaagg acatggacaa ggtegagaca tteetgegea tegtgeagtg eegetetgtg
601 gagggeaget gtggetteta geeegggtgg eatecetgtg acceeteece actgeetete
661 etggtegtgg aaggtgetae teeagtgeee eegeeegaat te
```

Disclaimer | Write to the Help Desk NCBI | NLM | NIH

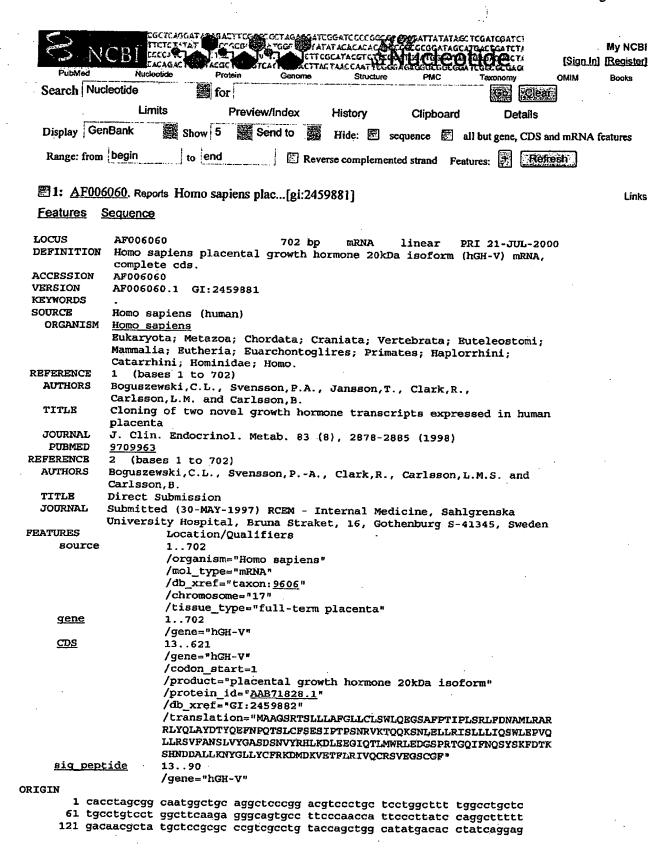
Apr 9 2007 17:07:01

http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=AF006060.1

Appendix 6
Clean copy of GenBank Website for Accession No: AF006060

- 11 -

Attorney Docket No.: ERNZ-01082US3 ERNZ-01082US3/1082US3.107.Prelim.amd.wpd



http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=AF006060.1

//

```
181 tttaacccc agactccct ctgcttcta gagtctattc caacaccttc caacagggtg
241 aaaacgcagc agaaatctaa cctagagctg ctccgcatct ccctgctgct catccagtca
301 tggctggagc ccgtgcagct cctcaggagc gtcttcgcca acagcctggt gtatggcgcc
361 tcggacagca acgtctatcg ccacctgaag gacctagagg aaggcatcca aacgctgatg
421 tggaggctgg aagatggcag cccccggact gggcagatct tcaatcagtc ctacagcaag
481 tttgacacaa aatcgcacaa cgatgacgca ctgctcaaga actacgggct gctctactgc
541 tcaggaagg acatggacaa ggtcgagaca ttcctgcgca tcgtgcagtg ccgctctgtg
601 gagggcagct gtggcttcta gcccgggtgg catccetgtg acccctccc actgcctctc
661 ctggtcgtgg aaggtgtac tccagtgcc ccgcccgaat tc
```

<u>Disclaimer | Write to the Help Desk</u> <u>NCBI | NLM | NIH</u>

Apr 9 2007 17:07:01

http://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=AF006060.1